



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D212-803-217
Job Sheet 172043



Part No: D212-803-217

Job Qty: 1 ea

Part Name: Left Hand Pilot In Command - Medium/Standard Design, Mechanical 212/412



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 2/12/18

Job Tracking No:

Due Date: 3/12/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG DSI9728 REV A, IIN-D212-803 REV D IPP REV:A 15.05.07 NEW ISSUE DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		3/12/18	0.00	0.00	Start Up Stores/Pkg-1		FEB 27 2018
110	Packaging	1 pcs		3/12/18	0.00	0.00	Packaging1-3		MAR 02 2018
120	QC	1 pcs		3/12/18	0.00	0.00	QC4		
125	DC	1 pcs		3/12/18	0.00	0.00	DC		
130	Packaging	1 pcs		3/12/18	0.00	0.00	Packaging3-1		
140	QC21-FG	1 Ea		3/12/18	0.00	0.00	QC21		DAS 21 MAR 02 2018

Part Op 125 - Photocopy blue file and type labels per PPP D212-803-217 CHG001

Descriptions: 130 - Identify and pack for shipping as per PPP D212-803-217 Location: _____ PPP Rev: _____

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D4411-7	Placard	1 Ea (1 ea)	90-Start up Operation	F161488
D5055-3	Placard	1 Ea (1 ea)	90-Start up Operation	8041585
D5055-5	Placard	1 Ea (1 ea)	90-Start up Operation	F159158
D5055-7	Placard	1 Ea (1 ea)	90-Start up Operation	F159159
D5055-9	Placard	1 Ea (1 ea)	90-Start up Operation	F159160
D5155-043	Co-Pilot Collective Head Assembly (212/412)	1 Ea (1 ea)	90-Start up Operation	8041466
D5156-5	Face Plate	1 Ea (1 ea)	90-Start up Operation	F145840
D5156-7	Face Plate	1 Ea (1 ea)	90-Start up Operation	F150383
MS171599	Pin	1 Ea (1 ea)	90-Start up Operation	FH134573
MS21042L3	Nut	1 Ea (1 ea)	90-Start up Operation	5037284-1
MS21919WDG10	Clamp	1 Ea (1 ea)	90-Start up Operation	5006933
MS21919WDG19	Clamp	1 Ea (1 ea)	90-Start up Operation	5038784
MS24693-24B	Screw	4 pcs (4 ea)	90-Start up Operation	IM134676-2
MS27039-1-07	Screw	1 Ea (1 ea)	90-Start up Operation	8040536
NAS1149D0363J	Washer	2 Ea (2 ea)	90-Start up Operation	8015269

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	D4411-7	1	3	0
	D5055-3	1	1	0
	D5055-5	1	3	0
	D5055-7	1	3	0
	D5055-9	1	3	0

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Date : _____ Step #: _____ QTY Effective : _____ MRB (QSI042) Approval

Description Work Order Deviation _____ Disposition _____

Dart Aerospace Ltd. 1270 Aberdeen Street Hawkebury, ON K6A 1K7 CANADA TEL: 1 813 632-5200 Email: sales@dartaero.com www.dartaerospace.com DART AEROSPACE Container No: S047234 Part: D212-803-217 Job No: 172043 Serial No/Batch: S047234 Revision: Inspector: Date: 03/02/18	Completed By _____
	Lead hand / Supervisor Approval Verification _____
	QC / QA Coordinator Approval _____

Root Cause	
Environment ☐	No Re-verfical ☐
Design ☐	Operator ☐
Doc/Data ☐	Offset/Setup ☐
Equip/Tooling ☐	Supplier ☐
Handling/Pre ☐	Training ☐
Material ☐	Use for Testi ☐
Internal Transport ☐	Poor Informa ☐
Tribal Knowledge ☐	Rushing ☐
LOA ☐	Product Improvement ☐
Substation ☐	Process Improvement ☐

☐ Heat Treat	☐ Cut too fast
☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear
☐ Marks/Chatter	☐ Drill Holes
☐	☐ Fit/Function
☐	☐ Misaligned/off center

☐ Large	☐ Positioned Wrong
☐	☐ Outside Dimensions
☐	☐ Over/Under tolerance
☐	☐ Part Incorrect
☐ Pulled	☐ Part Lost/Missing
☐ nce	☐ Part Moved
☐	☐ Drawing
☐	☐ Finish
☐	☐ Misread
☐	☐ Turning Sequence

D5155-043	1	2	0
D5156-5	1	5	0
D5156-7	1	5	0
MS171599	1	6	0
MS21042L3	1	3,742	0
MS21919WDG10	1	65	0
MS21919WDG19	1	23	0
MS24693-24B	4	52	0
MS27039-1-07	1	118	0
NAS1149D0363J	2	3,610	0

Part Specifications

Specifications could not be found.

Plex 2/12/18 11:33 AM Dart.lajeunesse.marie

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause				FAULT CATEGORY					
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐				Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐					

Change Record

PAGE 1 OF 1

Part Number: D212-803-217

Description: LH PILOT IN COMMAND, MECHANICAL ONLY

[illegible]

7. PARTS LIST - MEDIUM COLLECTIVE HEAD KITS

Qty -211	Qty -213	Qty -215	Qty -217	Qty -219	Qty -221	Qty -223	Part Number	Description
X							D205-803-211	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
	X						D205-803-213	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
		X					D212-803-215	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
			X				D212-803-217	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
				X			D212-803-219	LEFT HAND PILOT IN COMMAND, EAGLE SINGLE
					X		D205-803-221	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
						X	D205-803-223	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
1	1						D5155-041	CO-PILOT COLLECTIVE HEAD ASSEMBLY (205)
		1	1				D5155-043	CO-PILOT COLLECTIVE HEAD ASSEMBLY (212)
				1			D5155-045	CO-PILOT COLLECTIVE HEAD ASSEMBLY (EAGLE SINGLE)
					1	1	D5155-047	CO-PILOT COLLECTIVE HEAD ASSEMBLY (205 WITH THE 204-001-290-5 STICK AND THROTTLE ASSY INSTALLED)
1	1			1	1	1	D5156-1	FACE PLATE
1	1			1	1	1	D5156-3	FACE PLATE
		1	1				D5156-5	FACE PLATE
		1	1				D5156-7	FACE PLATE
1	1			1	1	1	D4410-9	TRIGGER
1	1			1	1	1	D5055-1	PLACARD
1	1	1	1	1	1	1	D5055-3	PLACARD
		1	1				D5055-5	PLACARD
		1	1				D5055-7	PLACARD
		1	1				D5055-9	PLACARD
1	1	1	1	1			D4411-7	PLACARD
		1					27ET51-T	SWITCH (ALT P/N 212-075-153-3)
1					1		2PB744-T2	SWITCH
		3					30-037-26	DIODE ASSEMBLY
		2					30-037-3	DIODE ASSEMBLY
1	1			1	1	1	AN565F8H9	SETSCREW
		3					AN961-6T	WASHER
		1					51MXY-5-J	SWITCH
1					1		C100E2-39	SWITCH
17		AR (21)			17		M39029/31-240	PIN
17		AR (21)			17		M39029/32-259	SOCKET
		AR (2)					M39029/31-228	PIN
		AR (2)					M39029/32-247	SOCKET
1	1			1	1	1	MS20253-1-065	PIN
		3					MS21042L06	NUT
1	1			1	1	1	MS21042L08	NUT
1	1	1	1	1	1	1	MS21042L3	NUT
		2					MS21044N04	NUT
1	1	1	1	1			MS21919WDG10	CLAMP
		1	1	1			MS21919WDG19	CLAMP
1	1						MS21919WDG20	CLAMP
		1					MS24523-27	SWITCH
		2					MS24693-S7	SCREW
4	4	4	4	4	4	4	MS24693-24B	SCREW
1	1	1	1	1	1	1	MS27039-1-07	SCREW
		1					MS27212-1-3	TERMINAL BOARD
1					1		MS3126E14-19P	PLUG
1					1		MS3120E14-19S	SOCKET
		2					MS3126E16-99P	PLUG
		1					MS3120E16-99S	SOCKET
		3					MS3373-A1	STRIP
2	2	2	2	2			NAS1149D0363J	WASHER
					2	2	MS24685-289	COTTER PIN
1	1	1	1	1	1	1	D212-803	KIT PAPERWORK

4.0 PARTS LISTS

Amend Parts Lists for the following kits per tables below.

4.1 Large Collective Head Kits

Qty -011	Qty -013	Qty -015	Qty -017	Qty -019	Part Number	Description
X					D205-803-011	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
	X				D205-803-013	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
		X			D212-803-015	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
			X		D212-803-017	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
				X	D212-803-019	LEFT HAND PILOT IN COMMAND, EAGLE SINGLE
1	1				MS171539	PIN
		1	1	1	MS171599	PIN

4.2 Small Collective Head Kits

Qty -111	Qty -113	Qty -115	Qty -117	Qty -119	Part Number	Description
X					D205-803-111	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
	X				D205-803-113	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
		X			D212-803-115	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
			X		D212-803-117	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
				X	D212-803-119	LEFT HAND PILOT IN COMMAND, EAGLE SINGLE
1	1				MS171539	PIN
		1	1	1	MS171599	PIN

4.3 Medium Collective Head Kits

Qty -211	Qty -213	Qty -215	Qty -217	Qty -219	Part Number	Description
X					D205-802-211	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
	X				D205-803-213	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
		X			D212-803-215	LEFT HAND PILOT IN COMMAND, COMPLETE KIT
			X		D212-803-217	LEFT HAND PILOT IN COMMAND, MECHANICAL ONLY
				X	D212-803-219	LEFT HAND PILOT IN COMMAND, EAGLE SINGLE
1	1				MS171539	PIN
		1	1	1	MS171599	PIN

DESIGN	VS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	VS		
CHECKED	HS	DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9728	SHEET 3 OF 3
APPROVED	HS	TITLE	SCALE
DE APPR.		LH PIC INSTALLATION	NTS
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